Recovery Kernel

[illegible]: GHB / GBL / 1,4-BD

[illegible], [illegible] - [illegible]

[illegible] '[illegible]' [illegible] GHB [illegible], [illegible] '[illegible], [illegible] (seizure), [illegible], [illegible] — [illegible], [illegible], [illegible] '[illegible], [illegible]

[illegible] 0 — [illegible]: [illegible]

[illegible]

[illegible] GHB, GBL, [illegible] 1,4-BD [illegible], [illegible] 2-6 [illegible], [illegible] 12-72 [illegible] (seizure) [illegible]/[illegible], [illegible], [illegible]

[illegible] - [illegible]:

- [illegible], [illegible]
- [illegible], [illegible], [illegible] - [illegible]
- [illegible], [illegible], [illegible] ([illegible])
- [illegible]

⚠ [illegible]

GHB [illegible] یl[illegible] GHB [illegible] FDA-[illegible] - [illegible] (Naloxone) [illegible] (benzodiazepines) [illegible], [illegible] GHB [illegible] 8 [illegible]

[illegible] 1 — [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible] [illegible]	[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible]	GHB [illegible] [illegible] [illegible] [illegible]-[illegible] [illegible] [illegible] 30-60 [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] 2-6 [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] — [illegible] [illegible] [illegible] [illegible] (6-24 [illegible]) [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] (12-48 [illegible]) [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible], [illegible], [illegible]) [illegible]	[illegible], [illegible], [illegible]
[illegible] 3-7	[illegible] '[illegible]; GABA-B [illegible]	[illegible] '[illegible], [illegible], [illegible]	[illegible] ([illegible]) [illegible] — [illegible], [illegible] 8 [illegible]
[illegible] 1-4	GABA-B [illegible]; [illegible] ([illegible]) [illegible]	[illegible]-[illegible]; [illegible]; [illegible]-[illegible] [illegible]	[illegible] ([illegible] 9)[illegible] [illegible], [illegible], [illegible] ([illegible] 5)[illegible]
[illegible] 1-3	GABA-B [illegible] - [illegible] GABA-A [illegible]-[illegible] (upregulates) [illegible]	[illegible] (GHB [illegible] PAWS [illegible]) [illegible], [illegible]	[illegible], [illegible], [illegible] 9 [illegible] [illegible]upplement [illegible] PAWS [illegible]
[illegible] 3-12	[illegible] GABA [illegible] - [illegible] [illegible]-[illegible] [illegible], [illegible]	[illegible]-[illegible], [illegible]; [illegible]	[illegible]
[illegible] 12-18+	[illegible] GABA-B [illegible]	[illegible] '[illegible] — [illegible], [illegible]	[illegible], [illegible]

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- [illegible], [illegible] — [illegible] GABA-B [illegible] '[illegible]
- [illegible] - [illegible], [illegible]-[illegible], [illegible] ([illegible])[illegible] [illegible]-[illegible] - [illegible] '[illegible]' [illegible], [illegible] '[illegible]'
- [illegible] — [illegible], [illegible]

[illegible] 5 — [illegible]-[illegible]

[illegible]	[illegible]	GHB [illegible]
GABRA2	GABA-A [illegible]-2 [illegible] — [illegible]	GHB [illegible]-[illegible] '[illegible]-[illegible], [illegible] GHB [illegible]-[illegible] GABA [illegible], [illegible] PAWS, [illegible]-[illegible] àm [illegible] (not optional) [illegible] GABA-[illegible] — [illegible] 9 [illegible]
GABBR1 / GABBR2	GABA-B [illegible] — [illegible] '[illegible] GHB [illegible]	GHB [illegible] '[illegible], [illegible] GABRA2 [illegible]/[illegible] GHB [illegible] GABA-B [illegible], [illegible] '[illegible]
COMT (Val158Met)	[illegible]	Met/Met ('Sage,' [illegible]) [illegible]-[illegible] GHB [illegible] — [illegible] GABA-B [illegible] Val/Val ('Warrior') [illegible]/[illegible], [illegible]

[illegible]	[illegible]	**GHB [illegible]**
		GHB [illegible]-[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]: Sage [illegible] [illegible] [illegible] [illegible]; Warrior [illegible] [illegible] [illegible] [illegible]
MTHFR	[illegible] — [illegible] [illegible]	GHB [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] 5-MTHF [illegible] [illegible] [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] GHB [illegible] [illegible] [illegible] [illegible] B-[illegible] [illegible] [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
DRD2 / ANKK1 (Taq1A)	[illegible] [illegible]2 [illegible] [illegible] — [illegible] [illegible] [illegible]	[illegible] [illegible] '[illegible] [illegible] [illegible] [illegible] [illegible], [illegible] GHB [illegible] [illegible] [illegible] RDS [illegible] [illegible] [illegible] [illegible] '[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] '[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible], [illegible] [illegible] GHB ([illegible] [illegible] [illegible] [illegible] [illegible]) [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] '[illegible] [illegible] [illegible] [illegible] [illegible]
SLC6A4 (5-HTTLPR)	[illegible] [illegible] [illegible] [illegible]	[illegible]/[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible], [illegible] [illegible] GABAergic [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] GABA [illegible] [illegible]-[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] — 5-HTP [illegible] 5-MTHF [illegible] [illegible] [illegible] [illegible]
CYP2C19 / CYP3A4	GHB [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]	[illegible] 8 [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] '[illegible] [illegible] — [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] '[illegible] [illegible] [illegible] [illegible]; [illegible] ra-[illegible] [illegible]
ADH1B / ALDH2	[illegible] [illegible] 1,4-[illegible] [illegible]	[illegible] [illegible] '[illegible] 1,4-BD [illegible] [illegible] [illegible] — ADH/ALDH [illegible] [illegible] [illegible] [illegible] 1,4-BD [illegible] [illegible] (GHB) [illegible] [illegible] [illegible] ALDH2*2 [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] 1,4-BD [illegible] [illegible] [illegible] '[illegible] [illegible] [illegible] '[illegible] [illegible]-[illegible] [illegible]

[illegible]	[illegible]	GHB [illegible]
		[illegible]; [illegible]

[illegible] - [illegible]

[illegible], [illegible]-[illegible]: [illegible], [illegible], [illegible] '[illegible], [illegible]

[illegible]	[illegible]	[illegible]
GHB '[illegible]?	GABRA2 [illegible]-[illegible] + COMT Met/Met ('Sage')	[illegible] '[illegible]' [illegible] GABAergic [illegible] '[illegible]: [illegible] '[illegible] (GABRA2) [illegible] '[illegible], [illegible] (Met/Met) [illegible] GHB [illegible], [illegible] '[illegible] — [illegible], [illegible] GHB [illegible], [illegible]
[illegible], [illegible]?	GABRA2 [illegible]-[illegible] + GABBR1/GABBR2 [illegible]	[illegible]-[illegible], [illegible]-[illegible] GABRA2 [illegible]; GABBR1/GABBR2 [illegible] '[illegible] GHB [illegible], [illegible] PAWS [illegible], [illegible]

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Crisis Resources: 988 (Suicide & Crisis Lifeline, call or text) | Crisis Text: HOME to 741741 | SAMHSA: 1-800-662-4357